

1-30. (CANCELED)

31. (NEW) An assembly (1, 30, 50) for activating two friction shifting elements (2, 3) by a pressure, the assembly comprising:

at least one of disc couplings and disc brakes positioned axially adjacent each other and radially approximately on a transmission diameter in a transmission the transmission having inner discs (10, 11) and outer discs (12, 13) secured to disc carriers and with which respective first and second servo devices (4, 5) are associated;

the inner discs (10, 11) of the two friction shifting elements (2, 3) are supported by a common inner disc carrier (16);

a cross-sectional geometry of the inner disc carrier (16) is constructed as a pot, axially opened on one side;

the respective first and second servo devices (4, 5) are located primarily within a pot space (27) formed by the pot-shaped inner disc carrier (16) as well as at least part axially adjacent each other and radially below disc packets (8, 9) of the two friction shifting elements (2, 3);

a first friction shifting element (2) is located adjacent a base (26) of the inner disc carrier (16);

the two friction shifting elements (2, 3) are activated individually and independent of each other by the respective first and second servo devices (4, 5); and

the common inner disc carrier (16), for both of the two friction shifting elements (2, 3), has radial openings (25, 53) distributed on a circumference of an outer diameter in an axial area between both the disc packets (8, 9).

32. (NEW) The assembly according to claim 31, wherein each of the first and second servo devices (4, 5) comprises an axially movable piston (6, 7) having in an area of an outside diameter one of:

a radially aligned pressure plate (20, 33, 34) whose radial free end acts on a the disc packet (8, 9) associated with the first and second servo devices (4, 5) and in a process overlap the axially open end of the inner disc carrier (16) away from the pot base in a radial direction and able to overlap in an axial direction, and

several radially aligned fingers (19, 51, 52) positioned on the circumference, free ends of the several radially aligned fingers act on the disc packet

(8, 9) associated with the first and second servo devices (4, 5) and in the process, the radially aligned fingers one of penetrate the radial openings (25, 53) of the inner disc carrier (16) or overlap in a radial and axial direction, axially open ends of the inner disc carrier (16) away from the pot base.

33. (NEW) The assembly according to claim 32, wherein the pressure plate (20, 33, 34) is ring-shaped.

34. (NEW) The assembly according to claim 33, wherein the pressure plate (20, 33, 34) has a network of several fingers distributed on the circumference.

35. (NEW) The assembly according to claim 31, wherein the first servo device (4), associated with the first friction shifting element (2) away from the base, borders on the base (26) of the inner disc carrier (16) and is positioned radially below the disc packet (8) of the first friction shifting element (2);

the first servo device (4) exhibits on a piston (6), several fingers distributed about a circumference, the fingers penetrate the radial openings (25) of the inner disc carrier (16) in a radial direction and activate the disc packet (8) of the first friction shifting element (2) upon axially engaging in the direction of the base (26) of the inner disc carrier (16);

the second servo device (5), associated with a second friction shifting element (3) away from the base, axially borders the first servo device (4) and located radially below the disc packet (9) of the second friction shifting element (3); and

the second servo device (5) has on a piston (7), a pressure plate (20) which overlaps, in a radial direction, the axially open end of the inner disc carrier (16) away from the base and also can overlap in an axial direction and activates in an axial direction toward the pot base (26) of the inner disc carrier (16) upon engaging the disc packet (9) of the second friction shifting element (3).

36. (NEW) The assembly according to claim 31, wherein

the inner discs (11) of the disc packet (9) of the second friction shifting element (3) away from the pot base exhibit axial openings (43) distributed on at least one of the circumference, the inner disc carrier (16) exhibits axially aligned recesses distributed on the circumference at least in the area of the disc packet (9) of the second friction shifting element (3) on a radial outer side

one of the openings (43) in the inner discs (11) of the second friction shifting element (3) or the recesses in the inner disc carrier (16) are axially equally aligned on the circumference and form a penetration area through which an axially aligned finger (35) can be guided, the finger is associated with the piston (6) of the servo device (4) of the first friction shifting element (2) near the pot base;

several of the axial fingers (35) are provided to activate the first friction shifting element (2), the fingers (35) are positioned in a distributed way on the circumference and penetrate at least one of the openings (43) in the inner discs (11) of the second friction shifting element (3) and the axial recesses in the inner disc carrier (16) in an axial direction to the pot base (26) and act with the pot base side end on the disc packet (8) of the first friction shifting element (2).

37. (NEW) The assembly according to claim 36, wherein at least one of the openings (43) and the axially aligned recesses in the inner disc carrier (16) are constructed, when viewed in the direction of the circumference, as an interruption of a disc entrainment profile on the inner disc carrier (16) and correspondingly on the inner discs (11) of the second disc packet (9) away from the pot base.

38. (NEW) The assembly according to claim 36, wherein:

the first servo device (4) associated with the friction shifting element (2) near the pot base borders the pot base (26) of the inner disc carrier (16) and is positioned at least in part radially below the disc packet (8) of the first friction shifting element (2) near the pot base as well as in part radially below the disc packet (9) of the second friction shifting element (3) away from the pot base;

the first servo device (4) has a pressure plate (33) on a piston (6), which overlaps in a radial direction, the axially open end of the inner disc carrier (16) away from the pot base and is one of rigidly connected or action-connected at an outer diameter with the axially aligned fingers (35) and which activates the disc packet (8) of the first friction shifting element (2) upon closing via these fingers (35) axially in the direction toward the pot base (26) of the inner disc carrier (16);

the second servo device (5) associated with the second friction shifting element (3), away from the pot base, axially borders the first servo device (4) and is positioned, at least in part, radially below the disc packet (9) of the second friction

shifting element (3) as well as, at least in part, radially below an axial section (31) of the piston (6) of the first servo device (4), and

the second servo device (5) exhibits a pressure plate (34) on a piston (7), which overlaps the pressure plate (33) of the piston (3) of the first servo device (4), outside the pot area (27) of the inner disc carrier (16) in a radial and axial direction and which activates the disc packet (9) of the second friction shifting element (3) upon closing axially in the direction toward the pot base (26) of the inner disc carrier (16).

39. (NEW) The assembly according to claim 31, wherein

the first servo device (4) associated with the first friction shifting element (2) near the base, borders on the base (26) of the inner disc carrier (16) and is at least primarily positioned radially below the disc packet (8) of the first friction shifting element (2);

the second servo device (5) associated with the second friction shifting element (3) away from the base, axially borders the first servo device (4) and is at least primarily positioned radially below the disc packet (9) of the second friction shifting element (3); and

both of the first and the second servo devices (4, 5) have on each of two pistons (6, 7) several fingers (51, 52), basically radially aligned and distributed about the circumference, which penetrate in a radial direction, openings (53) provided with a radial distribution on the circumference in the axial area between both disc packets (8, 9) and which act with radial, outer, free ends axially on the associated disc packet (8, 9),

a first friction shifting element (2) near the base is engaged by a pulling activation of the piston (6) of the first servo device (4) via the fingers (51) associated with the piston (6) parallel to the axis in the direction to the pot base (26) of the inner disc carrier (16); and

a second friction shifting element (3) located away from the base is engaged by a pressing activation of a piston (7) of the second servo device (5) in the direction away from the base (26) of the inner disc carrier (16).

40. (NEW) The assembly according to claim 39, wherein a finger (51) of a piston (6) of the first servo device (4) and a finger (52) of a piston (7) of the second servo device (5) are associated with each of the openings (53) radially distributed about the circumference in the axial area between the two disc packets (8, 9).

41. (NEW) The assembly according to claim 39, wherein the fingers (51, 52) of the pistons (6, 7) of both the first and the second servo devices (4, 5), are positioned, when spatially viewed, axially behind one another.

42. (NEW) The assembly according to claim 39, wherein the fingers (51, 52) of the pistons (6, 7) of both the first and the second servo devices (4, 5) are positioned, when spatially viewed, axially interlaced in the direction of the circumference and in a same axial plane of the transmission.

43. (NEW) The assembly according to claim 39, wherein both of the pistons (6, 7) of the first and the second servo devices (4, 5) are axially positioned immediately behind one another.

44. (NEW) The assembly according to claim 39, wherein at least one of the first servo device (4) and the second servo device (5) exhibit a dynamic activation pressure compensation.

45. (NEW) The assembly according to claim 44, wherein pressure compensation areas (17, 39, 56; 18, 40, 56) of the dynamic activation pressure compensation of the at least one of the first servo device (4) and the second servo device (5) are positioned axially adjacent to pressure areas of the at least one of the first servo device (4) and the second servo device (5) .

46. (NEW) The assembly according to claim 44, wherein a pressure compensation area (17, 39, 56) associated with the piston (6) of the first servo device away from the base, axially borders the base (26) of the inner disc carrier (16).

47. (NEW) The assembly according to claim 44, wherein a pressure compensation area (18) associated with the piston (7) of the second servo device away from the base, is axially positioned between the piston (6) of the first servo device and the piston (7) of the second servo device.

48. (NEW) The assembly according to claim 44, wherein a pressure compensation area (40, 57) associated with the piston (7) of the second servo device

away from the base, borders axially on a side of the second piston (7) of the second servo device away from the pot base which lies opposite the piston (6) of the first servo device near the pot base.

49. (NEW) The assembly according to claim 44, wherein a pressure compensation area (40, 57) of the second servo device (5) is positioned in the area of the axial edge of the inner disc carrier (16) away from the base.

50. (NEW) The assembly according to claim 44, wherein pressure compensation areas (17, 39, 56; 18, 40, 56) associated with the pistons (6, 7) of the first and second servo devices are positioned, when spatially viewed, either to one of axial left or axial right of the pressure area which is associated with the pistons (6, 7).

51. (NEW) The assembly according to claim 44, wherein cooling oil is supplied to the inner and outer discs (10, 12) of the first friction shifting element (2) which can flow from the pressure compensation area (17, 56) associated with the first friction element (2) via a flow line (24, 54) that is constructed between a radial outer side of the pressure compensation area (17, 56) and a radial inner side of the inner disc carrier (16) and leads through radial openings (21, 58) in the inner disc carrier (16) which are positioned, when viewed spatially, in the area of the disc packet (8) of the first friction shifting element (2).

52. (NEW) The assembly according to claim 44, wherein cooling oil is supplied to the discs inner and outer(11, 13) of the second friction shifting element (3) which can flow from the pressure compensation area (18, 57) associated with the second friction element (3) via a flow line (25, 55) that is constructed between a radial outer side of this pressure compensation area (18, 57) and a radial inner side of the inner disc carrier (16) and leads through radial openings (22, 59) in the inner disc carrier (16) which are positioned, when viewed spatially, in the area of the disc packet (9) of the second friction shifting element (3).

53. (NEW) The assembly according to claim 44, wherein cooling oil is supplied to the inner and outer discs (10,12; 11, 13) of the two friction shifting elements (2, 3), which can flow from the pressure compensation area (39) associated with the first friction element (2) via a flow line (38) that is constructed between a radial outer side of the pressure compensation area (39) and the radial inner side of the inner disc

carrier (16) and leads through radial openings (36, 37) in the inner disc carrier (16) which are positioned, when spatially viewed, in the area of the disc packets (8, 9) of the two friction shifting elements (2, 3).

54. (NEW) The assembly according to claim 31, wherein a cooling oil supply to at least one of the disc packets (8, 9) of the two friction shifting elements (2, 3) occurs through special supply lines which do not lead through the common inner disc carrier (16).

55. (NEW) The assembly according to claim 31, wherein the inner discs (10, 11) of both friction shifting elements (2, 3) are constructed as lining discs.

56. (NEW) The assembly according to claim 31, wherein the radial openings (23, 53) in the inner disc carrier (16) for accepting the fingers (19, 51, 52) are longer in the axial direction than the axial extent of the fingers (19, 51, 52) plus a gap of the disc packets (8, 9) of the associated friction shifting elements (2, 3).

57. (NEW) The assembly according to claim 31, wherein each of the two shifting elements (2, 3) is a disc coupling.

58. (NEW) The assembly according to claim 31, wherein both of the two shifting elements are gear brakes in which a common inner disc carrier is connected in a slip free manner with one of the transmission housing, is integrated into the transmission housing, or in which the outer disc carrier is connected with the transmission housing or is integrated into the transmission housing.

59. (NEW) The assembly according to claim 31, wherein one of the two shifting elements is a gear brake, in which an outer disc carrier is connected in a slip free manner with one of the transmission housing or is integrated into the transmission housing.